## **EAST Search History**

| Ref# | Hits    | Search Query                 | DBs  | Default<br>Operator | Plurals | Time Stamp          |
|------|---------|------------------------------|--|---------------------|---------|---------------------|
| L2   | 3927    | 428/36.9 or 428/36.91        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND                 | ON      | 2009/07/01<br>15:00 |
| L3   | 597     | 526/250                      | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND                 | ON      | 2009/07/01<br>15:00 |
| L4   | 1744    | 138/137                      | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND                 | ON      | 2009/07/01<br>15:00 |
| L5   | 857     | 428/36.8                     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND                 | ON      | 2009/07/01<br>15:00 |
| L6   | 6342    | L2 or L3 or L4 or L5         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND                 | ON      | 2009/07/01<br>15:00 |
| L7   | 5049232 | tube or hose or film         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND                 | OFF     | 2009/07/01<br>15:00 |
| L8   | 4718    | L6 and L7                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND                 | ON      | 2009/07/01<br>15:00 |
| L9   | 320     | "1,9-nonanediamine"          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND                 | ON      | 2009/07/01<br>15:00 |
| L10  | 164     | "2-methyl-1,8-octanediamine" | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND                 | ON      | 2009/07/01<br>15:00 |
| L11  | 332     | l9 or l10                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND                 | ON      | 2009/07/01<br>15:00 |
| L12  | 270     | l11 and polyamide            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND                 | ON      | 2009/07/01<br>15:00 |
| L13  | 230     | l12 and terephthalic         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND                 | ON      | 2009/07/01<br>15:00 |
| L14  | 22      | "5750626"                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND                 | ON      | 2009/07/01<br>15:35 |

| L15 | 45377  | itaconic acid anhydride   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2009/07/01<br>15:57 |
|-----|--------|---|--|-----|-----|---------------------|
| L16 | 2376   | itaconic adj acid adj anhydride   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2009/07/01<br>15:57 |
| L17 | 94     | I16 and (fluoropolymer or<br>(fluorine adj containing adj<br>polymer) or (fluorine adj<br>polymer)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2009/07/01<br>15:58 |
| L18 | 76     | I17 and (nylon or polyamide)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2009/07/01<br>16:04 |
| L19 | 22     | I16 same (fluoropolymer or<br>(fluorine adj polymer) or (fluorine<br>adj containing adj polymer))   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2009/07/01<br>16:33 |
| L20 | 16     | l19 and (nylon or polyamide)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2009/07/01<br>16:33 |
| L21 | 269286 | functional adj group  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2009/07/01<br>16:51 |
| L22 | 135    | 21 same  16   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2009/07/01<br>16:51 |
| L23 | 6      |   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2009/07/01<br>16:51 |
| S1  | 28     | nishioka and iwasa  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2008/05/06<br>08:25 |
| S2  | 473    | keita and suzuki  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2008/05/06<br>09:50 |
| S3  | 111    | S2 and resin  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2008/05/06<br>09:50 |
| S4  | 316    | eiichi and kazuhiro   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2008/05/06<br>10:41 |
| S5  | 0      | eiichi and kazuhirol3 and tsutomu   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2008/05/06<br>10:41 |
| S6  | 44     | S4 and kato   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2008/05/06<br>10:41 |

| S7  | 3       | "06234190"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/06<br>10:44 |
|-----|---------|--|--|-----|-----|---------------------|
| S8  | 4680546 | tube or hose or film   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/06<br>11:02 |
| S9  | 11172   | polyamide and (fluoropolymer or<br>(fluorine adj containing adj<br>polymer)) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>11:04 |
| S10 | 8570    | S8 and S9  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>11:04 |
| S11 | 833     | semi adj aromatic  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>11:05 |
| S12 | 36      | S10 and S11  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>11:05 |
| S13 | 682     | nishino and akira  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>14:27 |
| S14 | 16      | S13 and yuji   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>14:27 |
| S15 | 2404    | terminal adj modified  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>15:49 |
| S16 | 36      | S15 near polyamide   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>15:49 |
| S17 | 14      | "5736610"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:00 |
| S18 | 412     | nonanediamine  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:05 |
| S19 | 1700    | octanediamine or<br>dodecanediamine  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:05 |
| S20 | 1851    | S18 or S19   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:05 |
| S21 | 782     | S20 and terephthal\$4  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:06 |
| S22 | 592     | S21 and polyamide  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:06 |
| S23 | 3631    | 428/36.9 or 428/36.91  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:13 |
| S24 | 562     | 526/250  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:13 |

| S25 | 1661    | 138/137   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:17 |
|-----|---------|---|--|-----|-----|---------------------|
| S26 | 815     | 428/36.8  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:18 |
| S27 | 5937    | S23 or S24 or S25 or S26  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:18 |
| S28 | 1917    | S27 and polyamide   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:19 |
| S29 | 1292    | S28 and (tube or hose)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:19 |
| S30 | 242     | S29 and (fluoropolymer or (fluorine adj containing adj polymer))                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:19 |
| S31 | 152     | S30 and fuel  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/06<br>16:20 |
| S32 | 49780   | fluoropolymer or (fluorine adj<br>containing polymer) or (fluorine<br>adj containing copolymer) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/06<br>16:58 |
| S33 | 10583   | S32 and polyamide   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/06<br>16:58 |
| S34 | 6676    | conduct\$4 and S33  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/06<br>16:59 |
| S36 | 3001    | electrical and S34  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/06<br>16:59 |
| S37 | 2121445 | tube or hose  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/06<br>17:00 |
| S38 | 1238    | S37 and S36   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/06<br>17:00 |
| S39 | 224     | S38 and fuel  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/06<br>17:00 |
| S40 | 5       | "6656553"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/07<br>09:33 |
| S41 | 2221    | fuel adj hose   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/07<br>10:37 |
| S42 | 49780   | fluoropolymer or (fluorine adj<br>containing polymer) or (fluorine<br>adj containing copolymer) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/07<br>10:38 |
| S44 | 217     | S41 and S42   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/07<br>10:38 |

| S45 | 119  | S44 and polyamide   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/07<br>10:46 |
|-----|------|---|--|-----|-----|---------------------|
| S46 | 10   | "6855787"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/07<br>10:48 |
| S47 | 5    | "6989198"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/07<br>10:51 |
| S48 | 4    | "6655414"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/07<br>11:07 |
| S49 | 4    | "6656533"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/07<br>11:20 |
| S50 | 5    | "6656553"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/07<br>11:21 |
| S51 | 2404 | terminal adj modified   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/07<br>13:26 |
| S52 | 36   | S51 near polyamide  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/07<br>13:26 |
| S53 | 16   | S52 and (fuel or gas or auto)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/07<br>13:26 |
| S54 | 5    | "6794048"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/07<br>15:32 |
| S55 | 14   | tomoharu and nishioka   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/05/07<br>16:15 |
| S56 | 6621 | polyamide and ((naphthalene adj<br>dicarboxylic adj acid) or<br>naphthalenedicarboxylic adj acid) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/08<br>09:42 |
| S57 | 8    | S56 and 9N  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/08<br>09:42 |
| S58 | 8    | (polyamide or nylon) near 9n  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/08<br>09:46 |
| S59 | 104  | S56 and (nonanediamine or octanediamine)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/08<br>10:18 |
| S60 | 41   | S59 and (tube or hose)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/08<br>10:18 |
| S61 | 6634 | S56 or (naphthalenedioic adj<br>acid)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/08<br>10:40 |
| S62 | 104  | S61 and (nonanediamine or octanediamine)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/05/08<br>10:42 |

| S63 | 10627   | (fuel adj hose) or (fuel adj pipe)<br>or (fuel adj tube)               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2008/05/08<br>11:10 |
|-----|---------|--|--|-----|-----|---------------------|
| S64 | 4286    | polyamide adj ("11" or "12")   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2008/05/08<br>11:10 |
| S65 | 149     | S63 and S64  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2008/05/08<br>11:11 |
| S66 | 10      | ("5554425"   "5670608"  <br>"5869157"   "6656553"  <br>"6794048").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2008/12/18<br>11:18 |
| S67 | 2       | ("20030012906").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2008/12/18<br>11:19 |
| S68 | 3777    | 428/36.9 or 428/36.91  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/12/18<br>11:19 |
| S69 | 580     | 526/250  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/12/18<br>11:19 |
| S70 | 1696    | 138/137  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/12/18<br>11:19 |
| S71 | 836     | 428/36.8   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/12/18<br>11:19 |
| S72 | 6142    | S68 or S69 or S70 or S71   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/12/18<br>11:19 |
| S73 | 6142    | S72  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2008/12/18<br>11:19 |
| S74 | 4881183 | tube or hose or film   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | OFF | 2008/12/18<br>11:20 |
| S75 | 4569    | S72 and S74  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2008/12/18<br>11:20 |
| S76 | 12184   | polyamide and (fluoropolymer or (fluorine adj containing adj polymer)) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/12/18<br>11:20 |
| S77 | 325     | S75 and S76  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON  | 2008/12/18<br>11:20 |
| S78 | 443     | nonanediamine  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | AND | ON  | 2008/12/18<br>11:21 |

| S79 | 1      | S77 and S78  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2008/12/18<br>11:21 |
|-----|--------|--|--|-----|----|---------------------|
| S80 | 16     | S74 and S76 and S78  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2008/12/18<br>11:21 |
| S81 | 46491  | fluoropolymer or (fluorine adj<br>containing adj (resin or polymer)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2008/12/18<br>11:22 |
| S82 | 6728   | polyamide same S81   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2008/12/18<br>11:22 |
| S83 | 4924   | S82 and S74  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2008/12/18<br>11:22 |
| S84 | 3675   | S83 and adhe\$4  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2008/12/18<br>11:22 |
| S85 | 159274 | acid adj anhydride   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2008/12/18<br>11:24 |
| S86 | 230    | S81 same S85   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2008/12/18<br>11:24 |
| S87 | 98     | S86 and (polyamide or mylon)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2008/12/18<br>11:24 |
| S88 | 3      | "07173447"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2008/12/18<br>13:03 |

## 7/ 1/ 2009 4:52:34 PM

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